

The Nevada 1-MW Solar Dish-Engine Project



THE NEVADA 1-MW SOLAR DISH-ENGINE PROJECT

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The Nevada 1-MW Solar Dish-Engine Project



Project Goals

- Accelerate the commercial readiness of solar dish-engine systems
- Utilize the solar resource in Southern Nevada as a showcase for dish-engine technology

Approach

- Deploy 1 MW of solar dish systems in a power plant environment near Las Vegas, NV

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April 18 Kickoff/UNLV
June 28 Ground Brkng
Aug 9 Systems Inst/Oper.
Aug 24 Test Site Ded.

Participants

UNLV, DOE, SES, SAIC,
Boeing North American,
STM Power, Nevada
Power, SunLab (NREL
and Sandia)



Systems installed at UNLV Test Site

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Overview

- Install 1-MW or more of dish engine systems as a power plant in Southern Nevada
 - Approximate 3-year project period (2002 – 2005)
 - Transition of dish-engine technology from R&D to pre-commercial operation
 - Anticipated Total Project funding of approximately \$12 – 14 M
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Specific Objectives

- to fabricate, field, operate the power plant
- to continue operation beyond the term of the Cooperative Agreement
- to develop a data/experience base

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Project Considerations

- Project aimed at performance validation
 - O&M Costs to be covered by PPA
 - Plant operation beyond the term of the project
 - Proposed systems demonstrated performance
 - Commitment to field plant Demonstrated
 - Corporate commitment to commercialization
 - Cost share not required but weighted in evaluation
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Projected Schedule *

Nov 01	RFP issued
Jan 02	FA Proposals Due
Feb 02	Contractor(s) selected
Apr 02	Contracts Placed
Dec 02	Installation of Systems Started
Dec 03	1-MW Installation Complete
Dec 04	Project Completed

*** Subject to appropriation of funding.**
